	Year 7				Year 8			Year 9			Year 10			Year 11		Year 12			Year 13		
Concept	Cycle 1	Cycle 2	Cycle 3		Cycle 1	Cycle 2	Cycle 3	Cycle 1	Cycle 2	Cycle 3	Cycle 1	Cycle 2	Cycle 3	Cycle 1	Cycle 2	Cycle 1	Cycle 2	Cycle 3	Cycle 1	Cycle 2	Cycle 3
Cells and organisation	Cells		Plants		Organ systems		Microbes & disease	Biological systems	Cells & the nervous system		Natural Selection and Genetic Modification	Health,disease and development of medicines	Plant structures and functions	Exchange and transport in Animals		Cell structures / Microscopy / Cell replication	Cell recognition and the immune system	Organs exchange substances with the environment	Response and stimuli / Nervous Coordination and muscles	Homeostasis	synoptic skills & revision
Energy in biological systems			Photosynthesis				Ecosystems					Animal Coordination, Control and homeostasis	Photosynthesis	Respiration	Ecosystems and Materials	Biological molecules	Transport across cell membranes	Photosynthesis	Respiration	Population in ecosystems	
Inheritance and evolution		Reproduction				DNA & variation				You & your genes	Natural Selection and Genetic Modification	Antibiotic resistance			Relationships between organisms	Nucleic acids	DNA, genes / Protein synthesis	Genetic diversity & biodiversity	Inherited change / Population and evolution	The control of gene expression	
Particles		Particles / Atoms & Elements	Separating Mixtures			Periodic table		States of matter / Separation techniques	Periodic table	Atoms to ions	Bonding	Calculations involving mass	Groups in the periodic Table			Atomic structure Amount of substance / Bonding Periodicity	Intro to organic / Haloalkanes	Alcohols / Organic analysis	Periodicity Organic	Transition Metals	Organic Analysis 2
Chemical reactions	Acids & Alkalis				Metal reactions						Obtaining & using metals / Equilibria	Chemical changes - Acids	Electrolytic process	Rates of Reaction / Energy Changes		Kinetics	Energetics / Equilibria	Group 2 / Redox Group 7	Thermodynamics / Electrochemical cells	Reactions of metals aqua ions Kinetics / Equilibria	Acids
Earth, atmosphere & beyond		Earth & Space					Earth & atmosphere								Fuels / Earth & atmosphere		Alkanes	Alkenes			synoptic skills & revision
Forces and motion	Forces 1				Forces 2		Magnets & electromagnets	Motion	Forces & motion			Forces & their effects	Forces & matter		Magnetism & the motor effect	Forces & Equilibrium / Motion	Projectile motion / Newton's laws of motion		Uniform circular motion & simple harmonic motion	Fields / Astrophysics	
Particles & Matter											Radioactivity		Particle model			Matter & radiation Quarks & Leptons		Materials	Thermal Physics	Nuclear Physics	synoptic skills & revision
Energy and waves		Energy Transfers and Resources	Electricity		Waves	Energy Transfers (Thermal)				Energy stores	Waves / Electromagnetic Waves			Electricity	EM induction	Quantum Phenomena	Waves / Optics	Electrical Circuits Work, energy, Power	Gas Laws		